## **Refine Search**

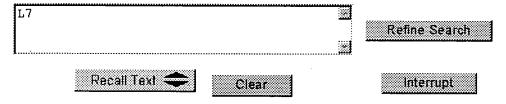
### Search Results -

Terms	Documents
L6 and L3	0

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

Database:



## **Search History**

### DATE: Wednesday, April 13, 2005 Printable Copy Create Case

side by side	Query	<u>Hit</u> Count	Set Name result set
DB= OP=OF	PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD;	S;	
L7	L6 and 13	0	<u>L7</u>
<u>L6</u>	L5 or 14	9905	<u>L6</u>
<u>L5</u>	521/40.ccls.	277	<u>L5</u> .
<u>L4</u>	705/?.ccls.	9628	<u>L4</u>
<u>L3</u>	L2 and @ad<=20000711	109	<u>L3</u>
<u>L2</u>	(recycl\$ near2 (center or station or house or agency or company)) and ((secondhand\$ or "second-hand" or (second adj hand)) or (used near2 (product or item)))	209	<u>L2</u>
<u>L1</u>	(recycl\$ near2 (center or station or house or agency or company)) same (secondhand\$ or "second-hand" or (second adj hand))	2	<u>L1</u>

### **END OF SEARCH HISTORY**

First Hit Previous Doc Next Doc Go to Doc#

**End of Result Set** 

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L8: Entry 2 of 2

File: DWPI

Mar 10, 2005

DERWENT-ACC-NO: 2001-073007

DERWENT-WEEK: 200519

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TITLE: Recycled plastic material is made from laser engraved thermoplastic, thermoplastic containing metal, thermoplastic from inkjet apparatus or thermoplastic contaminated with ink and components

INVENTOR: AKINO, S; ASAKURA, O; BUNGO, T; IWASAKI, T; KOIKE, Y; MATSUHISA, H; MATSUMOTO, M; URAKI, I

PATENT-ASSIGNEE: CANON KK (CANO), AKINO S (AKINI), ASAKURA O (ASAKI), BUNGO T (BUNGI), IWASAKI T (IWASI), KOIKE Y (KOIKI), MATSUHISA H (MATSI), MATSUMOTO M (MATSI), URAKI I (URAKI)

PRIORITY-DATA: 2000JP-0116965 (April 18, 2000), 1999JP-0134867 (May 14, 1999)

Carrie Caladad | Carrie At t | Class

		earch Selected Search	ALL LIE		
PATI	ENT-FAMILY:				
	PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
	US 20050051919 A1	March 10, 2005		000	B29B017/00
	EP 1055500 A2	November 29, 2000	E	037	B29B017/02
	<u>JP 2001030248 A</u>	February 6, 2001		025	B29B017/00
	US 20030199596 A1	October 23, 2003		000	C08J011/04
	<u>US 6864294 B2</u>	March 8, 2005		000	C08J011/04

DESIGNATED-STATES: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

APPLICATION-DATA:

APPL-DATE	APPL-NO	DESCRIPTOR
May 4, 2000	2000US-0564501	Div ex
October 20, 2004	2004US-0968021	•
May 11, 2000	2000EP-0110003	
April 18, 2000	2000JP-0116965	
May 4, 2000	2000US-0564501	
May 4, 2000	2000US-0564501	
	May 4, 2000 October 20, 2004 May 11, 2000 April 18, 2000 May 4, 2000	May 4, 2000 2000US-0564501 October 20, 2004 2004US-0968021 May 11, 2000 2000EP-0110003 April 18, 2000 2000JP-0116965 May 4, 2000 2000US-0564501

INT-CL (IPC):  $\underline{B03}$   $\underline{B}$   $\underline{5/28}$ ;  $\underline{B03}$   $\underline{B}$   $\underline{7/00}$ ;  $\underline{B03}$   $\underline{C}$   $\underline{1/00}$ ;  $\underline{B03}$   $\underline{C}$   $\underline{1/23}$ ;  $\underline{B07}$   $\underline{B}$   $\underline{4/00}$ ;  $\underline{B07}$   $\underline{B}$   $\underline{9/00}$ ;  $\underline{B07}$   $\underline{B}$   $\underline{15/00}$ ;  $\underline{B23}$   $\underline{K}$   $\underline{26/00}$ ;  $\underline{B29}$   $\underline{B}$   $\underline{9/16}$ ;  $\underline{B29}$   $\underline{B}$   $\underline{17/00}$ ;  $\underline{B29}$   $\underline{B}$   $\underline{17/02}$ ;  $\underline{B41}$   $\underline{C}$   $\underline{1/05}$ ;

B41 J 2/01; B41 M 5/24; C08 J 11/04

ABSTRACTED-PUB-NO: EP 1055500A

BASIC-ABSTRACT:

NOVELTY - A recycled plastic material is made from laser engraved thermoplastic, thermoplastic containing a metal, thermoplastic used in an inkjet apparatus or thermoplastic to which ink and components are stuck.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following: (a) The above material is made by pulverizing and cleaning the thermoplastic, drying it to removing a cleaning solution and then removing any material present other than the dried thermoplastic. (c) Manufacturing a plastic part includes disassembling an electronic apparatus or an ink container to obtain thermoplastic that is treated as in (a) and the recycled plastic material is then moulded to form the part. (d) A recycled plastic material recovered from a moulded thermoplastic has an impact strength at most 80% of the virgin material and a melt flow rate 90 - 120% of the virgin material. (e) A recycled plastic material is produced as in (a) with an impact strength and melt flow rate within preset values. (f) Recycling plastic from an ink container as in (a) to produce a material whose physical property values are within preset ranges of the virgin material. (g) Recycling material as in (a) using a 4 - 10 mm mesh screen at the pulverising stage, 10 parts by weight of cleaning solution to 1 part of pulverised material, dehydrating the material to a moisture content at most 0.30 wt %, air classification to remove foamed material, a magnet to remove a first metal and a metal detecting/removing device to remove a second metal. The remaining pellets are melted, kneaded and extruded and palletised. Preferred Features: The cleaning solution includes a surfactant and an additive to adjust its pH. The solution is reused after passing through a 25 - 200 micro m mesh. Alternatively the solution is water that is distilled prior to reuse.

USE - Production of high quality recycled thermoplastic.

ADVANTAGE - The recycled plastic has properties little lower than virgin material.

DESCRIPTION OF DRAWING(S) - The drawing shows a recycling apparatus

pulveriser 101

conveyor 102

shaking screen 103

waste tank 104

collecting tank 105

magnetic separator 106

screw feeders 107,128

hoppers 108,134

motors 109,112

cleaning solution tank 110

cleaning/dehydrating apparatus 113

air blowers 114,127

cyclone 115

buffer tank 117

distillation concentrator 118

condensate tank 119

concentrated solution tank 120

filter 121

rotary valve 122

aspirator 123

blowers 124,133

collecting tanks 125,132

magnetic separator 126

stock tank 129

metal separator 131

collecting vessel 135

ABSTRACTED-PUB-NO: EP 1055500A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.4/17

DERWENT-CLASS: A35 P41 P43 P55 P74 P75 V04

CPI-CODES: A11-C03A; EPI-CODES: V04-X01C;

Previous Doc Next Doc Go to Doc#

PALM INTRANET

Day: Wednesday

Date: 4/13/2005 Time: 07:10:30

# Foreign Information for 09/900388

Priority#	Date	Country
210145/2000	07/11/2000	JAPAN

Appin info	Contents	Petition Info	Atty/Agen	t info	Continuity E	Data Data	lnve
Search Ano	ther: Applic	ation#	Search	or I	Patent#	Search	
	PCT /	/[	Search	or PG	PUBS#	Sear	ch
	Attorne	y Docket #	00090000000000000000000000000000000000		Search		
	Bar Coo	le #	Sea	rch			

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Back to PALM | ASSIGNMENT | OASIS | Home page

First Hit

Previous Doc

Next Doc -

Go to Doc#

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L1: Entry 1 of 2

File: PGPB

Jul 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040128206

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040128206 A1

TITLE: Book resource recycling system

PUBLICATION-DATE: July 1, 2004

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Peng, Wen Fu

Taipei

TW

APPL-NO: 10/ 336492 [PALM]
DATE FILED: December 30, 2002

INT-CL: [07] G06 F 17/60

US-CL-PUBLISHED: 705/026 US-CL-CURRENT: 705/26

REPRESENTATIVE-FIGURES: 3

#### ABSTRACT:

A book resource recycling system for providing a channel for people to buy or sell the <a href="secondhand">secondhand</a> books comprises: a book resource recycling server, store terminals and a member terminal. The book resource recycling server has a book resource <a href="recycling center">recycling center</a> for obtaining a commerce record from the store terminals via the network. The store terminals and member terminal also can obtain book inquiry data from the book resource recycling server via the network. Therefore, the system can provide the channel for people to buy/sell the <a href="secondhand">secondhand</a> books so as to reduce the waste of the book resource.

Previous Doc Next Doc Go to Doc#

Record Display Form Page 1 of 1

First Hit Previous Doc Next Doc Go to Doc#

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L1: Entry 2 of 2

File: JPAB

Oct 31, 2002

PUB-NO: JP02002318978A

DOCUMENT-IDENTIFIER: JP 2002318978 A

TITLE: LEASE MANAGEMENT SYSTEM AND LEASE MANAGEMENT METHOD

PUBN-DATE: October 31, 2002

INVENTOR-INFORMATION:

NAME COUNTRY

UCHIYAMA, KOJI

KAWAGUCHI, MUTSUHIRO

HOTSUKI, YOJI

NAKAMURA, NORIHARU

KONO, MITSURU

NAKANO, TAKASHI

ASSIGNEE-INFORMATION:

NAME COUNTRY

RICOH CO LTD

RICOH LEASING CO LTD

APPL-NO: JP2001125131 APPL-DATE: April 23, 2001

INT-CL (IPC): G06 F 17/60

ABSTRACT:

PROBLEM TO BE SOLVED: To uniformly manage a leased property from machine model selection and purchase down to disposal.

SOLUTION: An ASP 11 receives an application specifying an applicant, the kind of a device to be leased, a lease period and the like from a customer system 21. The ASP 11 orders the requested device to a maker. The maker delivers the ordered device to a kitting company 41. The kitting company 41 performs a kitting such as addition of parts, installation of software or the like based on a contract and the application contents, and then delivers the product to the customer. During the lease period, the ASP 11 properly collects and updates the change of customer information or the like, and reports the expiration of the lease period to the customer in a prescribed period before the expiration. When the customer designates the picking-up of the leased property to the leasing company, a processing such as recycle, sales to secondhand market, disposal or the like is performed according to the degree.

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Previous Doc Next Doc Go to Doc#

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Day: Wednesday

Date: 4/13/2005 Time: 07:12:50

### **Patent Number Information**

Application Number: 09/564501

**Assignments** 

Filing or 371(c) Date: 05/04/2000

Effective Date: 05/04/2000

Application Received: 05/04/2000

Pat. Num./Pub. Num: 6864294/20030199596 Interference Number:

Issue Date: 03/08/2005

Date of Abandonment: 00/00/0000

Attorney Docket Number: 862.C1910

Status: 150 / PATENTED CASE

Confirmation Number: 2101

Examiner Number: 69658 / CAIN, EDWARD

Group Art Unit: 1714 **IFW IMAGE** 

Class/Subclass:

521/040.000

Lost Case: NO

Unmatched Petition: NO

L&R Code: Secrecy

Code: 1

Third Level Review: NO Secrecy Order: NO

Status Date: 02/16/2005

Oral Hearing: NO

Title of Invention: RECYCLED PLASTIC MATERIAL, ELECTRONIC APPARATUS HAVING THE RECYCLED PLASTIC MATERIAL, METHOD OF MANUFACTURING PLASTIC PART, METHOD OF MANUFACTURING THE RECYCLED PLASTIC MATERIAL, AND

METHOD OF REUSING PLASTIC MATERIAL

Appln Info	Contents	Petition	info	Atty/Agent Info	Co	ntinuity Data	Foreign Data	lnv
Searc	h Another:	Applica	tion#	Search	or	Patent#	Search	
	P	CT /	/	Search	or PG	PUBS#	Search	
	A	ttorney	Docket #	<b>#</b>	•••••	Search		
	E	Bar Code	#	Sea	rch			

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Day: Wednesday

Date: 4/13/2005 Time: 07:11:32

## **Inventor Name Search Result**

Your Search was:

Last Name = MATSUMOTO

First Name = MIZUKO

	Application# Patent# Status Date Filed Title Inventor Name							
Application#	Patent#	Status	Date Filed	Title	Inventor Name			
09564501	6864294			RECYCLED PLASTIC MATERIAL, ELECTRONIC APPARATUS HAVING THE RECYCLED PLASTIC MATERIAL, METHOD OF MANUFACTURING PLASTIC PART, METHOD OF MANUFACTURING THE RECYCLED PLASTIC MATERIAL, AND METHOD OF REUSING PLASTIC MATERIAL	MATSUMOTO, MIZUKO			
09900388	Not Issued	071	07/06/2001	COMMUNICATION METHOD, AND NETWORK DEVICE OR SYSTEM FOR PURCHASING NEW ITEM OR PICKING-UP OF OLD ITEMS	MATSUMOTO, MIZUKO			
10944762	Not Issued	020	09/21/2004	RECYCLED PLASTIC MATERIAL, ELECTRONIC APPARATUS HAVING THE RECYCLED PLASTIC MATERIAL METHOD OF MANUFACTURING PLASTIC PART, METHOD OF MANUFACTURING THE RECYCLED PLASTIC MATERIAL, AND METHOD OF REUSING PLASTIC MATERIAL	MATSUMOTO, MIZUKO			
10968021	Not Issued	020	10/20/2004	RECYCLED PLASTIC MATERIAL, ELECTRONIC APPARATUS HAVING THE RECYCLED PLASTIC MATERIAL, METHOD OF MANUFACTURING PLASTIC	MATSUMOTO, MIZUKO			

	PART, METHOD OF MANUFACTURING THE RECYCLED PLASTIC MATERIAL, AND METHOD OF REUSING PLASTIC MATERIAL	
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Inventor Search Completed: No Records to Display.

Last Name First Name **Search Another: Inventor** MATSUMOTO MIZUKO Search

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